



magazine

No. 1 2004



**STAR
WARS**

All NEW Classics!

LEGO

World City+

COAST WATCH
CAPTURE!

TWO MASTER CROOKS MAKE A
GETAWAY FOLLOWING THEIR
LATEST CAPTURE!

WE'LL HEAD FOR
THE NEW HIDEOUT!
THEY'LL NEVER CATCH
US THERE.

Great! Which
way is it?

IT'S THAT WAY... OR...
OR THIS WAY...
OR... PFF!

IT'S SUCH A GOOD
HIDEOUT EVEN WE CAN'T
FIND IT!

MEANWHILE, AT COAST WATCH HQ, SPOTLIGHTS SWEEP THE
WAVES IN SEARCH OF THE HUNKY BIG CROOKS!

STRETCH, THIS REPORT
JUST CAME IN TWO THIEVES
WERE SPOTTED RACING DOWN
THE COAST!

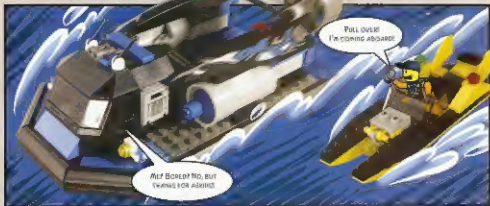
ANY IDEA
WHERE THEY'RE
HEADED, DOC?

SEE THIS
EXPERIMENTAL HYDRO VORTEX
BEAMER FROM THE SECRET SAND PIT.
YOU MAY JUST NEED IT!

WE'VE GOT A RADAR FIX!
THEY'RE HEADED FOR
DOCK #3!

THANKS, DOC!





GOOD JOB
PARTNER! GROWLER
CASE SOLVED!



clubcode WHATIZZIT

THE END

Sir Arthur's crazy about robotics

By Sir Arthur C. Clarke
Author of over 50 books and short stories

At the grand age of 86 Sir Arthur C. Clarke is probably one of the oldest fans of LEGO robotics, which is why he took part in a huge robotics competition in September in Singapore. Sir Arthur is one of the best known science fiction authors alive today and has written more than 60 books including 2001: A

Space Odyssey.

He joined the 5th National Junior Robotics Competition via satellite from his home in Sri Lanka. On a huge screen he wished competitors luck with their robotics missions.

A robotics competition is for kids who work with LEGO® Mindstorms® for Schools in their classrooms, and who want to compete with other schools to become robotics champions.

A robotic team has from 3-7 children and a coach. Schools are given a robotics mission and children have a couple of months to design, build and program their robots. Then they bring them to a regional or national contest event, such as the one in Singapore.

Robot Mission

You might be asked to design a robot to become a dancing star, such as Madonna pictured here. Maybe you'll be guiding sports players or heroes carrying out rescue missions. The mission can be as simple as getting your robot to follow a route, or as tricky as getting him or her to carry out a whole series of tasks.

In Singapore the School teams had to design a robotic soccer game and play one of their contesting teams, or design and build a robot to climb up and down stairs.

The Singapore event ran over 6 days and involved 750 teams – 3500 participants – which probably makes it one of the biggest LEGO Mindstorms for Schools events worldwide!

Contests are run either by FIRST LEGO League, Robocup Junior or the new World Robot Olympiad. FIRST LEGO League contests are based on one common mission, sent to competing teams in September, for completion within two months. In 2003 the mission was a Journey to Mars. Competitors had to program their robots to clear debris from a satellite dish, take samples of rocks, rescue a buggy which is stuck in sand and perform various other functions.

"(you) were born in an exciting era with terrific opportunities ahead of (you)"

Arthur C. Clarke at the
5th National Junior Robotics Competition

Check This Out

Thousands of competing teams, with robot crazy screens big in 2003. Check this out:

- Korea held more than 1900 teams for a national contest
- Japan had more than 90 teams
- China had more than 800 teams

- Singapore had more than 500 teams
- Taiwan had more than 100 teams
- Hong Kong had 90 teams
- Thailand had more than 200 teams
- An Olympiad Grand Final event was held in the Philippines in October with 33 teams
- Australia gathered more than 1000 teams for their third year of Robocup Junior
- The 2th International Robot Olympiad was held in Korea involving almost 50 teams from Korea, China, Taiwan, Thailand, Hong Kong, Singapore, Philippines, Malaysia, Sri Lanka and Russia! China won with 6 gold awards, Korea came second and Singapore followed in third place
- New countries joining the contests in 2003 were: Sri Lanka and Malaysia

The Singapore Science Centre will host the World Robot Olympiad from 4-7 November 2004.

Are YOU interested in joining a robotic competition?

If you'd like to take part in a competition check out the following web sites. There is almost certainly a contest running in your area. Why not give it a try?

For more about FIRST LEGO League visit: www.firstlegoleague.org

For more about the World Robot Olympiad visit: www.science.edu.sg/first

For more about Robocup Junior visit: www.rrc.tyda.or.jp/robocupjunior

For more about LEGO Mindstorms for Schools visit: www.lego.com/education/mindstorms

educational

FIRST

STAR WARS™ X-Wing Fighter™: From Movie to Model!

Ever wonder how LEGO® model designers turn your favourite STAR WARS™ vehicles into sets you can build at home? We talked to LEGO product designer Jens Krönvold Frederiksen to get the story behind the X-wing Fighter and other great Star Wars models:

Q. How long have you been designing LEGO Star Wars models?

A: First we make a sketch model, which takes about a week or so to complete. After that, we build a LOT of versions to make sure that everything looks authentic, the functions all work right, the model doesn't fall apart—all those key things that make LEGO models so unique and special. Once it's approved by Lucas Licensing, people are made to use for creating building instructions and packaging, and for designing the ultimate models.

Q. How does a LEGO Star Wars building set go from "movie to model"?

A: First we make a sketch model, which takes about a week or so to complete. After that, we build a LOT of versions to make sure that everything looks authentic, the functions all work right, the model doesn't fall apart—all those key things that make LEGO models so unique and special. Once it's approved by Lucas Licensing, people are made to use for creating building instructions and packaging, and for designing the ultimate models.

Q. How hard is it to create a model based on a Star Wars vehicle?

A: It depends on how complex the vehicle is. It helps that the design is already given. But sometimes, like in Episodes I, the vehicles are very round and organic, and that is difficult to duplicate in LEGO elements. Most of the vehicles in the classic Star Wars movies, like the X-wing Fighter™, are more angular and easier to design.

Q. What reference materials do you use in designing LEGO Star Wars models?

A: The most essential reference is the movie in which the model appears. We watch all the Star Wars films again and again. And again! We also have a lot of books and special access to official reference photos from Lucasfilm. Sometimes these reveal hidden details that are hard to see in the movie!

Jens and his team are hard at work now designing future LEGO Star Wars models. Keep building and someday you might be a LEGO model designer too!

Visit the new STAR WARS website to see the X-wing Fighter™ in action from the movie!

clubcode
STAR WARS

www.LEGOclub.com



LEGO® STAR WARS™ MiniFigure Concentration

A sneak peek at some of the new STAR WARS MiniFigures for 2004!

Here's a game to help you and your friends develop your Jack-in-the-box mind. Clip out all the pictures, place them face down and mix them up. Now take turns, first flipping one picture over, then immediately trying to lay over the matching MiniFigure or movie photo. Each time a player succeeds, he collects those two pictures. Once all the photos have been matched up, the player with the most pictures wins. May the Force be with you!

Want to play Star Wars MiniFigure Concentration without cutting up this page? You can download all the pictures you need at: www.LEGOclub.com/CLUB CODE





STAR WARS
WWW.STARWARS.COM



LEGO Chewbacca



LEGO Luke Skywalker



LEGO Han Solo



Visit The **MOS EISLEY CANTINA!**

When you're on Tatooine for pleasure or Imperial business,
be sure to stop by Chalmers' Mos Eisley Cantina!
Voted "Best Place to Hire a Smuggler" three years in a row!



Located in the heart of downtown Mos Eisley!
Private booths!
Lots of parking space for your landspeeder!
Sandtrooper security staff!
Live music nightly by Figrin D'an and the Modal Nodes!
Best food and drink under the sun!
No droids allowed!

METRU NUI

Enter the City - Reveal the Mystery

Translate the Metruan text on this page to learn more about BIONICLE® products for 2004!



Toa Onua
6104



Po-Metru

Toa Onua is the protector of Po-Metru, home of the carvers. Using his proto plons, the Toa of stone guards the Sculpture Fields and other important Po-Metru sites.



Toa Nuja
6000



Toa Nokama
6002



Ga-Metru

Toa Nokama survives Ga-Metru, where protoforma is researched and purified. Her hydro blades let her swim at high speed through the protoformis canals of the metru.



Toa Vakama
6001



Ko-Metru

From high atop the crystal Knowledge Towers, Toa Nuija watches over Ko-Metru, home of the scholars. His crystal spikes let him swing from tower to tower as he searches for the Great Disk.

00 0000 0000
0000 0000
0000 0000

Toa Whenua
6503



Onu-Metru

Toa Whenua defends Onu-Metru, site of the Great Metru Nui Archives. Here can be found samples of every creature and tool ever sighted in the city. Whenua's earthshock drill can bore through any substance known to Mataora.



Toa Metru
8605



Le-Metru

Toa Motou uses his aero slicers and power of air to defend Le-Metru, transportation center of Metru Nui. This is the core of the network of magnetised prodermis chutes that run throughout the city.

0000 0000 0000 0000 0000 0000

Unlock the Secrets of BIONICLE!

Mataora all over Metru Nui use Kanoka disks like the one pictured for sport and defense. Now you can use them to discover BIONICLE secrets! Go to www.BIONICLE.com and enter the codes you find on your Kanoka disks. Each code you enter is worth Bionicle points – when you have enough points, you can unlock special secret information on BIONICLE. Different codes have different point values, and the rarer the disk, the more points you can earn!

LEGO Club Exclusive Kanoka Disk Code

Use the exclusive LEGO Club Kanoka disk code below to get started. And be sure to look for a Toa Metru card in each 2004 Toa Metru set worth 100 Kanoka points! For more information on the Kanoka disks, check out this month's BIONICLE comic.



0000 0000 0000 0000 0000 0000

CUSTOMISE AND CONQUER! WITH LEGO® RACERS

What makes LEGO Racers different from all those other model racers out there? The power of customisation! Each LEGO Racer can be built and rebuilt in unlimited ways to conquer the competition on any type of track or terrain. With a LEGO Racer, you're the designer, the pit crew and the driver! Want to hold that wheelie a little longer? Try shifting a

few bricks to the back. Need better handling for hairpin turns? Pop in some LEGO racing slicks. Want it to fly higher at that ramp? Just add some high traction off-road tires! LEGO Racers puts you in complete control of how your car performs—just like a pro motorsports team.

HIGH SPEED HOT WHEELS HIGH TRACTION STUNT MACHINES!



RED HOT WHEEL



RED HOT WHEEL



RED HOT WHEEL



RED HOT WHEEL



RED HOT WHEEL



RED HOT WHEEL

RED RIDGE RUNNER

This LEGO Racers double wheel motor goes from the new Red Racer set Jungle Glider kit for a special breed of high speed handling and off-road traction!



BIONICLE

THE HANDBOOK

video game news

THE ITED GAME TIPS

To take up Whelan and his Mother-in-Law, there
Tobin and Gail may come to harvest



USE YOUR SMILES TO ATTRACT
 LARGEST CROWDS TO YOUR
 BUSINESS AND MAKE IT



1. *Journal of the American Medical Association*, 1997; 277: 103-107.
 2. *Journal of the American Medical Association*, 1997; 277: 108-112.



CALIFORNIA

TOTAL OF ALL

POSTTEST THE VALUE

THAT'S SAID, HOWEVER, NUTAN DIMENSIONALITY WOULD BE A GOOD IDEA TO TRY. BUT, THERE ARE TWO MORE THINGS TO CONSIDER. FIRST, YOU'VE GOT TO BE SURE YOU'VE GOT THE RIGHT DATA. SECOND, YOU'VE GOT TO BE SURE YOU'VE GOT THE RIGHT MODEL.



Divide carefully round the spinning plate.

Keep your glitch power level high!



Now For 2004 More MINI-Models For your LEGO® STAR WARS Collection!

4495 MINI AT-TE™

The Republic relies on this intimidating All Terrain Tactical Enforcer™ to dispatch Clone Troopers en route to the battlefield.



4494 MINI Imperial Shuttle™

The regally appointed shuttle of Emperor Palpatine, this majestic transport's articulated flanking wings provide unparalleled cruising stability.



sneak preview

4492 MINI Star Destroyer™

A marvel of advanced technology and a testament to the Empire's might, the Imperial Star Destroyer inspires awe and terror throughout the galaxy.



4493 MINI Sith Infiltrator™

Darth Maul's menacing starship features an amazing and terrifying technological wonder — a full-effect cloaking device that delivers instant invisibility on command!



Get Four Build More!

Combine the elements from these new MINIs to create your own fantastic fleet at STAR WARS™ www.starwarsclubcode.com. You'll find detailed building instructions for these special STAR WARS mini-models at www.starwarsclubcode.com.

MINI AT-PT™ - All Terrain Personal Transport/Defender™

This Imperial vehicle is equipped with heat generators, rocket launchers, and a cloaking device. It's the perfect technology for the Sith to gain greater proximity to their enemies.



MINI R-33 Scout

The iconic, indigenous warship of the Republic fleet, the R-33 was used to scout and destroy positions during the Clone Wars.



MINI Trade Federation Medium Transport


After making delivery of droids and later receiving reinforcements, this vessel became very important for the Trade Federation.



clubcode
BUILDS

BIONICLE

THE GAME

 video game news

Glide, Jump, and Surf
through BIONICLE: The Game
with Lewa Nuva!

Tired of
groundwalking slow
through your games?
Then go quicksoaking
with me through
le-wah in BIONICLE:
The Game!



First, go branch-surfing and burst
all the balloons to save the
Matoran!



Watch out for the swinging log and
make sure to blast the red flowers
or it will be hardluck for you.



Make your way over the fast
bouncing leaf platforms to find the
Guiko bird!



Then you're highclimbing through
a maze of ropes and platforms.
Some platforms collapse ever-
quick, so you have to double
jump and glide to a safer spot.



Stay close behind the Guiko when
he soars and soon you will be
windriding! But if you're used to
being timebound, this will take
some practice.



AVAILABLE NOW!

BIONICLE: The Game for the PlayStation®2 entertainment system, Nintendo GameCube, Xbox, PC, GOREM, and GameBoy Advance.



Use your elemental powers to
land the Rahkshi into the swamp!
But remember to quickglide before
they blast your platform!

ARROY, CLUB
MEMBER MATEYS!
LOOKING FOR THE
PERFECT POCKET PET FOR
YOUR NEXT VOYAGE 'ROUND
THE SEVEN SEAS? THEN
PETEY'S YER
CRITTER!

you can build this

Petey the Parrot



You can build this Caribbean cracker cruncher with the colorful cubes you'll find in the LEGO® Designer Wild Collection (#101).



Have you earned your LEGO Design School Building Badges yet? Get one with every Design School lesson you complete!

